

## ALUMINUM WIRE TABLE

Witness

Stock Code Number	Size AWG/KCM	Type	Strand	Nominal O.D. (in)	Weight lb./K-ft.	Ultimate Strength (lb.)	Date 8/1/02 75C Normal Rating (Amps)	100C 4 Hr Emerg. Rating (Amps)	Reporter Code Name
11 31040	4	ACSR	7/1	0.257	67	2360	108	150	Swanate
11 31090	2	ACSR	7/1	0.325	107	3640	142	201	Sparate
11 31190	1/0	ACSR	6/1	0.398	145	4380	186	266	Raven
11 32300	1/0	AAAC	7	0.518	166	4010	192	282	Oilnut-XLP
11 31260	2/0	ACSR	6/1	0.447	183	5310	213	307	Quail
11 31290	3/0	ACSR	6/1	0.502	231	6620	244	355	Pigeon
11 31340	4/0	ACSR	6/1	0.563	291	8350	280	411	Penguin
11 31360	110.8	ACSR/EHS	12/7	0.481	305	11300	202	292	Minorca
11 31390	266.8	ACSR	26/7	0.642	367	11300	322	478	Partridge
11 31450	336.4	ACSR	18/1	0.684	365	8680	364	543	Merlin
11 31550	335.6	ACSR/T-2	6/1	1.004	462	13240	351	538	T-2 Pigeon
11 32410	397.5	AAC	19	0.852	469	6400	399	607	Molles-XLP
11 31640	477	ACSR	18/1	0.814	518	11800	447	677	Pelican
11 30550	559.5	ACAR	12/7	0.858	525	13810	466	725	-

## CROSSLINKED POLY MULTIPLEX CABLE

Stock Code Number	Size AWG	Type	Strand	75C Normal Rating (Amps)	100C 4 Hr Emerg. Rating (Amps)	Ultimate Strength (lb.)	Equiv. O.D. (in)	Weight lb./K-ft.	Code Name
11 10910	4	Duplex	7	92	128	1760	0.565	105	Whippet
11 11110	4	Triplex	7	92	128	1760	0.64	165	Barnacle
11 11410	1/0	Triplex	7	162	229	4460	0.98	400	Gammarus
11 11480	4/0	Triplex	19	244	352	8560	1.32	746	Lepas
11 11730	4	Quadruplex	7	80	112	1760	0.72	224	Arabian
11 11880	1/0	Quadruplex	19	139	200	4460	1.11	542	Shetland
11 12440	4/0	Quadruplex	19	210	307	8560	1.49	1004	Walking

## Notes:

- Current ratings calculated with the following parameters: ambient temp. = 40C; wind = 2 ft./sec. normal to wire; emissivity = 0.9; solar absorptivity = 1.0. (EPRI Dynamp Program)
- Multiplex neutrals and power conductors are the same size. Neutrals are 7 strand.
- Equivalent O.D. for multiplex includes insulation (45 mils for #4 and 60 mils for 1/0 and 4/0).
- AAAC and multiplex neutrals are Aluminum Alloy 6201-T81; AAC and compressed multiplex power conductors are Aluminum Alloy 1350-H19.
- Resistance and reactance are covered by DS 3030.



DATE 12-96

DS3026

CONDUCTOR DATA  
ALUMINUM WIRE & MULTIPLEX CABLE

CENTRAL ILLINOIS PUBLIC SERVICE CO.

DISTRIBUTION STANDARD